

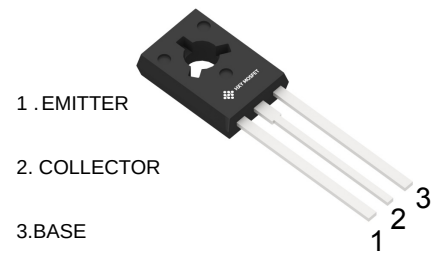


Features

- Medium Power Complementary Silicon Transistors

Package Marking and Ordering Information

Product ID	Pack	Packing Method	Qty(PCS)
TIP122	TO-126	Bulk	200

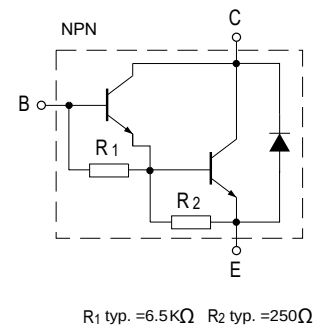


1. EMITTER

2. COLLECTOR

3. BASE

TO-126



Maximum Ratings (Ta=25°C unless otherwise noted)

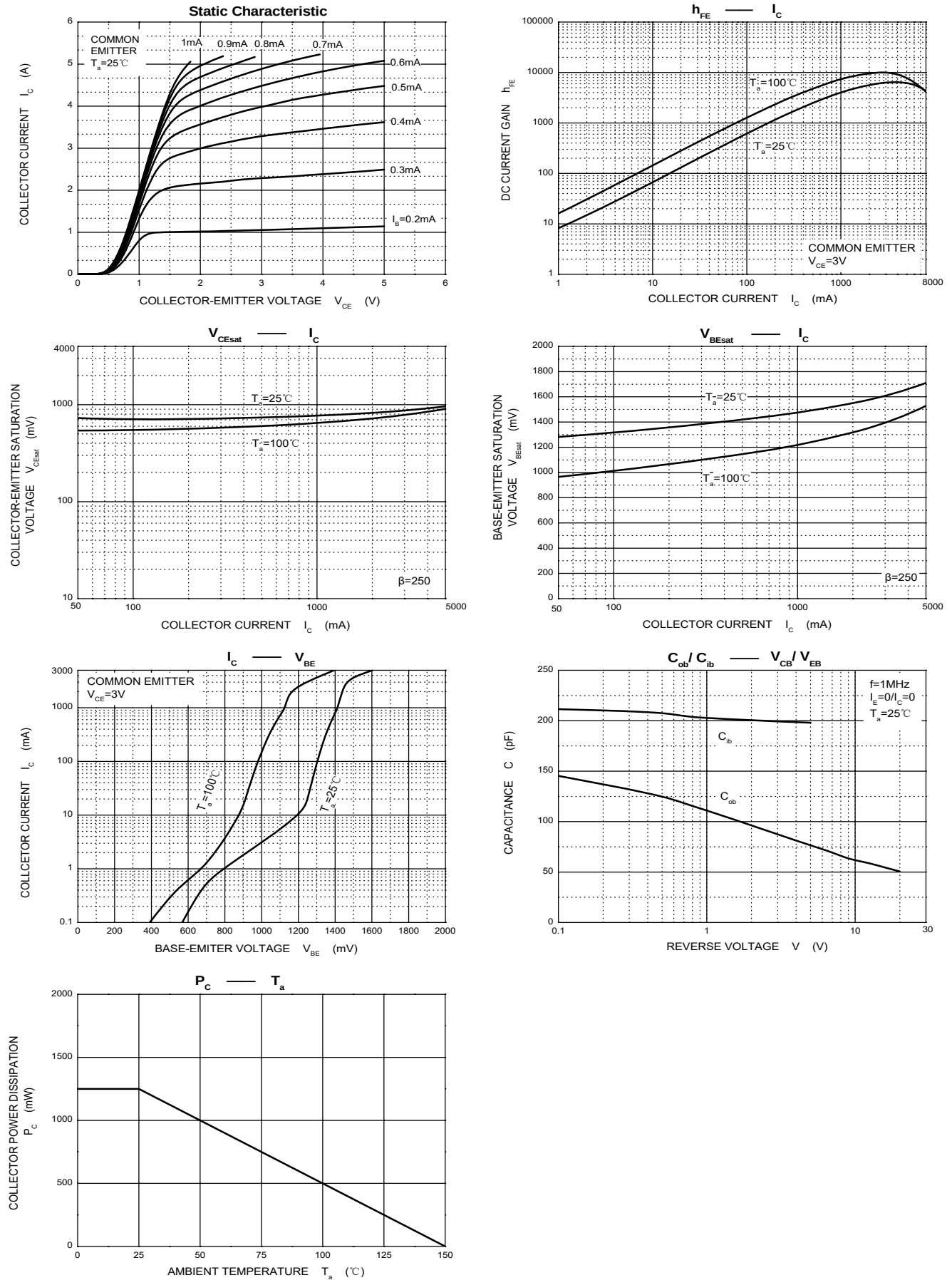
Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	100	V
V _{CEO}	Collector-Emitter Voltage	100	V
V _{EBO}	Emitter-Base Voltage	6	V
I _C	Collector Current -Continuous	4	A
P _C	Collector Dissipation	2	W
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =0.1mA, I _E =0	100			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =10mA, I _B =0	100			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =1mA, I _C =0	6			V
Collector cut-off current	I _{CBO}	V _{CB} =100V, I _E =0			1	μ A
Collector cut-off current	I _{CEO}	V _{CE} =100V, I _B =0			1	μ A
Emitter cut-off current	I _{EBO}	V _{EB} =10V, I _C =0		1.3	2.5	μ A
DC current gain	h _{FE1}	V _{CE} =5V, I _C = 0.2 A	2000		8000	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =3A, I _B =12mA		1.2	1.8	V

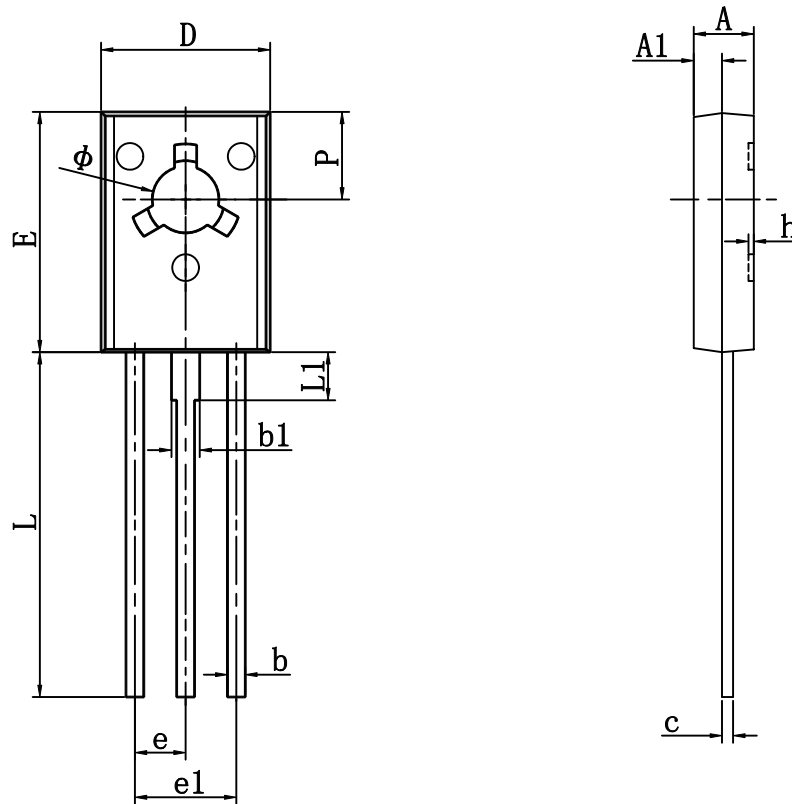


Typical Characteristics





TO-18 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	2.500	2.900	0.098	0.114
A1	1.100	1.500	0.043	0.059
b	0.660	0.860	0.026	0.034
b1	1.170	1.370	0.046	0.054
c	0.450	0.600	0.018	0.024
D	7.400	7.800	0.291	0.307
E	10.600	11.000	0.417	0.433
e	2.290 TYP		0.090 TYP	
e1	4.480	4.680	0.176	0.184
h	0.000	0.300	0.000	0.012
L	15.300	15.700	0.602	0.618
L1	2.100	2.300	0.083	0.091
P	3.900	4.100	0.154	0.161
ϕ	3.000	3.200	0.118	0.126



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